

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in this application. The following amendments are made without prejudice and do not constitute an admission regarding the patentability of the amended subject matter and should not be so construed. Applicants reserve the right to pursue the subject matter of the canceled claims in this or any other appropriate patent application.

Listing of Claims:

1. (Currently Amended) A method of treating breast cancer which comprises administering, to a subject suffering from breast cancer,

 a first amount of anti-estrogenic steroid agent, effective to reduce the level or activity of at least one estrogenic steroid in the subject, and

 a second amount of an immunological agent, effective to contribute to the development of a protective immune response to said breast cancer,

where said first and second amounts are, at least in combination, therapeutically effective against at least some breast cancers,

where said immunological agent comprises ~~at least one immunogen, said (i) an immunogen comprising at least one breast cancer-associated epitope~~ a MUC1 epitope having one to eight effective tandem repeats of SEQ ID NO:1 and (ii) a liposome.

2. (Original) The method of claim 1 where said agents are administered concurrently.

3. (Cancelled).

4. (Cancelled).

5. (Currently Amended) The method of claim 1 where ~~at least one epitope is~~ immunogen further comprises a carbohydrate epitope.

6. (Currently Amended) The method of claim 1 in which said immunogen further comprises STn.

7. (Withdrawn) The method of claim 6 in which said immunogen comprising STn is an STn-KLH conjugate.

8. (Withdrawn) The method of claim 7 in which the conjugate is an aggregated conjugate.

9. (Withdrawn) The method of claim 7 in which the conjugate has a NANA content of about 7%.

10. (Original) The method of claim 1 in which the anti-estrogenic steroid agent comprises at least one antiestrogen.

11. (Withdrawn) The method of claim 10 in which at least one antiestrogen is a steroidal antiestrogen.

12. (Withdrawn) The method of claim 1 in which at least one anti-estrogenic steroid agent is fulvestrant.

13. (Original) The method of claim 10 in which at least one antiestrogen is a nonsteroidal antiestrogen.

14. (Previously Presented) The method of claim 13 in which at least one nonsteroidal antiestrogen is selected from the group consisting of toremifene, tamoxifen, droloxifene and trioxifene.

15. (Withdrawn) The method of claim 1 in which the anti-estrogenic steroid agent comprises at least one aromatase inhibitor.

16. (Withdrawn) The method of claim 15 in which at least one aromatase inhibitor is selected from the group consisting of aminoglutethimide, anastrozole, vorozole, letrozole, liarozole, megastrole, exemestane and formestane.

17. (Previously Presented) The method of claim 1, further comprising administration of at least one progestin which protects against breast cancer.

18. (Original) The method of claim 17 in which at least one progestin is progesterone.

19. (Previously Presented) The method of claim 1, further comprising administration of at least one anti-progestin which protects against breast cancer.

20. (Withdrawn) The method of claim 1 in which the anti-estrogenic steroid agent comprises geoselin acetate or megestrol acetate.

21. (Cancelled).

22. (Previously Presented) The method of claim 1, further comprising administration of a therapeutically effective amount of at least one chemotherapeutic agent other than an anti-estrogenic steroid agent.

23. (Original) The method of claim 22 in which at least one chemotherapeutic agent is an anthracycline.

24. (Original) The method of claim 23 in which at least one anthracycline is selected from the group consisting of doxorubicin, daunorubicin, epirubicin, and idarubicin.

25. (Original) The method of claim 22 in which at least one chemotherapeutic agent is a taxane.

26. (Original) The method of claim 25 in which at least one taxane is paclitaxel or docetaxel.

27. (Previously Presented) The method of claim 1 in which the anti-estrogenic steroid agent comprises at least one compound which antagonizes at least one estrogen receptor by competitively inhibiting the binding of an estrogen to that receptor without itself activating that receptor.

28. (Withdrawn) The method of claim 27 in which said receptor antagonist is not an agonist for any estrogen receptor.

29. (Original) The method of claim 27 in which said receptor inhibitor is also an agonist of at least one other estrogen receptor, and consequently is a SERM.

30. (Original) The method of claim 29 in which said SERM is selected from the group consisting of tamoxifen, toremifene, droloxifen, clomifene, arzoxifene, raloxifene, LY 117018 and SERM EM-652.

31. (Previously Presented) The method of claim 1 in which the breast cancer is a metastatic breast cancer.

32. (Withdrawn - Currently Amended) A therapeutic composition comprising (a) at least one anti-estrogenic steroid agent, and (b) at least one immunogenic agent, which, when administered according to a suitable therapeutic schedule, is therapeutically effective against breast cancer,

where said immunological agent comprises ~~at least one immunogen, said (i) an immunogen comprising at least one breast cancer-associated epitope~~ a MUC1 epitope having one to eight effective tandem repeats of SEQ ID NO:1 and (ii) a liposome.

33. (Withdrawn - Currently Amended) A kit comprising a first container comprising at least one dose of at least one anti-estrogenic steroid agent, and a second container comprising at least one dose of at least one immunogenic agent, where said agents are, at least in combination, therapeutically effective against breast cancer,

where said immunological agent comprises (i) an immunogen comprising a MUC1 epitope having one to eight effective tandem repeats of SEQ ID NO:1 and (ii) a liposome.

34-37. (Cancelled).

38. (Withdrawn - Currently Amended) The composition of claim 32, wherein ~~said immunogenic agent comprises at least one immunogen, said immunogen comprising at least one breast cancer-associated epitope, and~~ said anti-estrogenic steroid agent comprises at least one antiestrogen.

39. (Withdrawn - Currently Amended) The kit of claim 33, wherein ~~said immunogenic agent comprises at least one immunogen, said immunogen comprising at least one breast cancer-associated epitope, and~~ said anti-estrogenic steroid agent comprises at least one antiestrogen.

40. (Withdrawn) The method of claim 13 wherein at least one of said non-steroidal anti-estrogens is toremifene.

41. (Previously Presented) The method of claim 13 wherein at least one of said non-steroidal anti-estrogens is tamoxifen.

42. (Withdrawn) The of claim 13 wherein at least one of said non-steroidal anti-estrogens is droloxifene.

43. (Withdrawn) The method of claim 13 wherein at least one of said non-steroidal anti-estrogens is trioxifene.

44. (Withdrawn) The method of claim 13 wherein at least one of said non-steroidal anti-estrogens is selected from the group consisting of clomifene, arzoxifene, raloxifene, the raloxifene analog LY 117018 and SERM EM-652.

45. (Previously Presented) The method of claim 13 wherein at least one of said non-steroidal anti-estrogen is one which inhibits estrogen-induced proliferation in a breast cancer-afflicted subject by competitive inhibition of the estrogen receptor.

46. (Previously Presented) The method of claim 13 wherein at least one of said non-steroidal anti-estrogen is a Selective Estrogen Receptor Modulator (SERM) capable of competitively inhibiting at least one estrogen receptor to which it binds in at least one breast cancer tissue, and capable of activating at least one estrogen receptor in at least one other tissue.

47. (Withdrawn) The method of claim 13 wherein at least one of said non-steroidal anti-estrogen is an estrogen receptor antagonist capable of inhibiting estrogen-induced proliferation through

competitive inhibition of at least one estrogen receptor in at least one breast cancer tissue, and does not significantly activate any estrogen receptor in any tissue.

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